

GenCore version 4.5
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OM protein - protein search, using sw model

Run on: March 1, 2001, 15:49:50 ; Search time 140.11 Seconds
(without alignments)
6.024 Million cell updates/sec

Title: US-09-331-631A-8_COPY_33_79

Perfect score: 2/5
Sequence: 1 GDDDPKRYEDCRRRCCEMDT.....OCESCKSQYGEKDDQQRHR 47

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 174772 seqs, 17957048 residues

Total number of hits satisfying chosen parameters: 174772

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-Processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Issued_Patents_AA:*
1: /cgn2_6/ptodata/2/1aa/5A.COMB.pep:*
2: /cgn2_6/ptodata/2/1aa/5B.COMB.pep:*
3: /cgn2_6/ptodata/2/1aa/6.COMB.pep:*
4: /cgn2_6/ptodata/2/1aa/PCRTUS.COMB.pep:*
5: /cgn2_6/ptodata/2/1aa/backfilest1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	259.5	94.4	587	1	US-07-955-905A-23
2	124	45.1	566	1	US-07-955-905A-2
3	124	45.1	566	1	US-07-955-905A-22
4	62	22.5	360	2	US-08-531-927B-2
5	60	21.8	303	1	US-08-109-391A-2
6	60	21.8	303	1	US-08-459-019A-2
7	60	21.8	303	1	US-08-460-428A-2
8	60	21.8	303	3	US-08-458-860A-2
9	59	21.5	748	2	US-08-920-234-2
10	59	21.5	748	2	US-08-937-931-4
11	58	21.1	361	1	US-08-415-751-4
12	57.5	20.9	162	2	US-08-465-380-63
13	57.5	20.9	162	2	US-08-486-397-63
14	57.5	20.9	162	2	US-08-486-399-63
15	57.5	20.9	162	2	US-08-461-965-63
16	57.5	20.9	162	2	US-08-634-641-63
17	57.5	20.9	162	3	US-09-249-471-63
18	57.5	20.9	162	3	US-09-249-472-63
19	57.5	20.9	162	3	US-09-249-472-63
20	57.5	20.9	162	3	US-08-249-451-63
21	57.5	20.9	162	3	US-08-809-455-63
22	57.5	20.9	162	3	US-09-249-461-63
23	57.5	20.9	162	3	US-09-249-448-63
24	57.5	20.9	162	3	US-08-833-963C-2
25	57.5	20.9	162	3	US-08-980-514-1
26	57.5	20.7	1898	1	US-08-056-200-94
27	56.5	20.5	432	2	US-08-800-644-94
28	56.5	20.5	432	2	US-08-933-750C-47
			432	3	US-09-234-613-47

29	55.5	20.2	434	1	US-08-337-602-2	Sequence 2, Appl
30	55.5	20.2	434	1	US-08-337-602-3	Sequence 3, Appl
31	55.5	20.2	434	3	US-08-558-135-2	Sequence 2, Appl
32	55.5	20.2	434	3	US-08-558-135-3	Sequence 3, Appl
33	55.5	20.2	2237	1	US-08-455-543A-48	Sequence 48, Appl
34	55.5	20.2	2237	2	US-08-223-305C-48	Sequence 2, Appl
35	55.5	20.2	2337	3	US-08-713-118-2	Sequence 2, Appl
36	55.5	20.2	2337	3	US-09-452-007-2	Sequence 2, Appl
37	55.5	20.2	2339	1	US-08-455-543A-47	Sequence 47, Appl
38	55.5	20.2	2339	2	US-08-223-305C-47	Sequence 2, Appl
39	55	20.0	160	2	US-08-612-788-34	Sequence 34, Appl
40	55	20.0	160	3	US-09-066-028-34	Sequence 34, Appl
41	55	20.0	210	3	US-08-985-526-21	Sequence 21, Appl
42	55	20.0	250	2	US-08-612-788-29	Sequence 29, Appl
43	55	20.0	250	3	US-09-066-028-29	Sequence 29, Appl
44	55	20.0	339	1	US-08-248-629A-2	Sequence 2, Appl
45	55	20.0	339	1	US-08-451-932-2	Sequence 2, Appl

ALIGNMENTS

```
RESULT 1
US-07-955-905A-23
; Sequence 23, Application US/07955905A
; Patent No. 5770433
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: RECOMBINANT 47 AND 31 KD COCOA PROTEINS AND
; NUMBER OF SEQUENCES: 28
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patent In Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/955,905A
; FILING DATE: 21-JAN-1993
; CLASSIFICATION: 435
; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 587 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; ORIGINAL SOURCE:
; ORGANISM: Gossypium hirsutum
; FEATURE:
; NAME/KEY: Protein
; LOCATION: 1..587
; OTHER INFORMATION: /note= "Vicillin from G. hirsutum"
US-07-955-905A-23

Query Match          94.4% Score 259.5; DB 1: Length 587;
Best Local Similarity 97.9%; Pred No. 5.1e-22;
Matches 46; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

Oy 1 GDDDPKRYEDCRRRCCEMDTGGKEQQQCEESCKSQYGEKDDQQRHR 47
    |||||||
Db 33 GDDDPKRYEDCRRRCCEMDTGGKEQQQCEESCKSQYGEKDDQQRHR 78

RESULT 2
US-07-955-905A-2
; Sequence 2, Application US/07955905A
; Patent No. 5770433
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: RECOMBINANT 47 AND 31 KD COCOA PROTEINS AND
; NUMBER OF SEQUENCES: 28
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: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/07/955,905A
: FILING DATE: 21-JAN-1993
: CLASSIFICATION: 435
: INFORMATION FOR SEQ ID NO: 2:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 566 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: protein
: US-07-955-905A-2

Query Match          45.1%; Score 124; DB 1; Length 566;
Best Local Similarity 46.3%; Pred. No. 9.2e-07;
Matches 19; Conservative 12; Mismatches 10; Indels 0; Gaps 0;

QY 4 DPKRYEDCRRCMDTRGQKEQOCEESCKSQYGEKDDQQ 44
   ||::|||:||||:..::|||:||||:|:|:|:|:|
DB 37 DPKQYEQCQRCESEATEREDQCEQRCERERKEQQRQQ 77

RESULT 3
US-07-955-905A-22
: Sequence 22, Application US/07955905A
: Patent No. 5770433
: GENERAL INFORMATION:
: APPLICANT:
: TITLE OF INVENTION: RECOMBINANT 47 AND 31 KD COCOA PROTEINS AND
: TITLE OF INVENTION: PRECURSOR
: NUMBER OF SEQUENCES: 28
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/07/955,905A
: FILING DATE: 21-JAN-1993
: CLASSIFICATION: 435
: INFORMATION FOR SEQ ID NO: 22:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 566 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: protein
: ORIGINAL SOURCE:
: ORGANISM: Theobroma cacao
: FEATURE:
: NAME/KEY: Protein
: LOCATION: 1..566
: OTHER INFORMATION: /note= "67 kD Precursor Protein"
: US-07-955-905A-22

Query Match          45.1%; Score 124; DB 1; Length 566;
Best Local Similarity 46.3%; Pred. No. 9.2e-07;
Matches 19; Conservative 12; Mismatches 10; Indels 0; Gaps 0;

QY 4 DPKRYEDCRRCMDTRGQKEQOCEESCKSQYGEKDDQQ 44
   ||::|||:||||:..::|||:||||:|:|:|:|:|
DB 37 DPKQYEQCQRCESEATEREDQCEQRCERERKEQQRQQ 77

RESULT 4
US-08-531-927B-2
: Sequence 2, Application US/08531927B
: Patent No. 5840491
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: GENERAL INFORMATION:
: APPLICANT: Kakizuka, Akira
: TITLE OF INVENTION: DNA Sequence Encoding the Machado-Joseph
: Patent No. 5840491
: TITLE OF INVENTION: Disease Gene and Uses Thereof
: NUMBER OF SEQUENCES: 23
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
: STREET: Two Millitia Drive
: CITY: Lexington
: STATE: Massachusetts
: COUNTRY: USA
: ZIP: 02173-4799

COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patentin Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/531,927B
: FILING DATE: 21-SEP-1995
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: JP H6-251600
: FILING DATE: 21-SEP-1994
: ATTORNEY/AGENT INFORMATION:
: NAME: Granahan, Patricia
: REGISTRATION NUMBER: 32,227
: REFERENCE/DOCKET NUMBER: ATH95-01A
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 617-861-6240
: TELEFAX: 617-861-9540
: INFORMATION FOR SEQ ID NO: 2:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 360 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: protein
: US-08-531-927B-2

Query Match          22.5%; Score 62; DB 2; Length 360;
Best Local Similarity 35.0%; Pred. No. 5.8;
Matches 14; Conservative 12; Mismatches 2; Indels 2; Gaps 1;

QY 10 EDCRRRC--WDTRGQKEQOCEESCKSQYGEKDDQRRH 47
   |:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|
DB 279 EELRKREAVFEKQKQKQKQKQKQKQKQKQKQKQ 318

RESULT 5
US-08-109-391A-2
: Sequence 2, Application US/08109391A
: Patent No. 5639876
: GENERAL INFORMATION:
: APPLICANT: tripp, Cynthia A.
: APPLICANT: Frank, Glenn R.
: APPLICANT: Grieve, Robert B.
: TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING NOVEL
: TITLE OF INVENTION: PARASITIC HELMINTH PROTEINS
: NUMBER OF SEQUENCES: 17
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Sheridan Ross & McIntosh
: STREET: 1700 Lincoln St., Suite 3500
: CITY: Denver
: STATE: CO
: COUNTRY: U.S.A.
: ZIP: 80203

COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patentin Release #1.0, Version #1.30
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CITY: Denver
STATE: CO
COUNTRY: U.S.A.
ZIP: 80203
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/458,860A
FILING DATE: 02-JUN-1995
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Connell, Gary J.
REGISTRATION NUMBER: 32,020
REFERENCE/DOCKET NUMBER: 2618-13-2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 303/863-9700
TELEFAX: 303/863-0223
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 303 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-458-860A-2

Query Match 21.8%; Score 60; DB 3; Length 303;
Best Local Similarity 37.5%; Pred. No. 8.2;
Matches 15; Conservative 12; Mismatches 11; Indels 2; Gaps 2;

QY 8 RYEDCRRRCMDPTRCQKEQOQCE-ESCKSQYGEKDOQRH 46
DB 262 RQEEHRRQEOERR-QKERERMQERIRQIHYDEKERRQRY 300

RESULT 9
US-08-920-234-2
Sequence 2, Application US/08920234
Patent No. 5922546
GENERAL INFORMATION:
APPLICANT: ELLIS, CATHERINE
APPLICANT: JACKSON, JEFFREY
APPLICANT: MAYER, RUTH
TITLE OF INVENTION: HUMAN DISINTEGRIN METALLOPROTEASE
TITLE OF INVENTION: RELATED TO DROSOPHILA KUZ GENE
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: RATNER & PRESTIA
STREET: P.O. BOX 980
CITY: VALLEY FORGE
STATE: PA
COUNTRY: USA
ZIP: 19482
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/920,234
FILING DATE: 25-AUG-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: PRESTIA, PAUL F
REGISTRATION NUMBER: 23,031
REFERENCE/DOCKET NUMBER: GH-70237
TELECOMMUNICATION INFORMATION:

TELEPHONE: 610-407-0700
TELEFAX: 610-407-0701
TELEX: 846169
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 748 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-920-234-2

Query Match 21.5%; Score 59; DB 2; Length 748;
Best Local Similarity 28.6%; Pred. No. 26;
Matches 14; Conservative 7; Mismatches 22; Indels 6; Gaps 1;

QY 4 DPPKRYEDCRRRCMDPTRCQKEQOQCE-----SKSQYGEKDOQRH 46
DB 547 DPKNFTDCNRHTQVCINGCAGSICEKYGLEECTCASSDGKDKELCH 595

RESULT 10
US-08-937-931-4
Sequence 4, Application US/08937931
Patent No. 5935792
GENERAL INFORMATION:
APPLICANT: Rubin, Gerald M.
APPLICANT: Pan, Duojia
APPLICANT: Rooke, Jenny
APPLICANT: Yavari, Reza
APPLICANT: Xu, Tian
TITLE OF INVENTION: KUZ: A No. 5935792el Family of Metalloproteases
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
STREET: 268 BUSH STREET, SUITE 3200
CITY: SAN FRANCISCO
STATE: CALIFORNIA
COUNTRY: USA
ZIP: 94104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/937,931
FILING DATE:
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: OSMAN, RICHARD A
REGISTRATION NUMBER: 36,627
REFERENCE/DOCKET NUMBER: B97-081
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 343-4341
TELEFAX: (415) 343-4342
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 748 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-937-931-4

Query Match 21.5%; Score 50; DB 2; Length 748;
Best Local Similarity 28.6%; Pred. No. 26;
Matches 14; Conservative 7; Mismatches 22; Indels 6; Gaps 1;
QY 4 DPPKRYEDCRRRCMDPTRCQKEQOQCE-----SKSQYGEKDOQRH 46
DB 547 DPKNFTDCNRHTQVCINGCAGSICEKYGLEECTCASSDGKDKELCH 595

MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/461,965
FILING DATE: June 5, 1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 210/243
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 63:
SEQUENCE CHARACTERISTICS:
LENGTH: 162 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
ORIGINAL SOURCE:
ORGANISM: Ancylostoma caninum
US-08-461-965-63

Query Match 20.9%; Score 57.5; DB 2; Length 162;
Best Local Similarity 21.0%; Pred. No. 8.5;
Matches 17; Conservative 8; Mismatches 17; Indels 39; Gaps 3;

QY 2 DDPPKRYEDCRRR-----CEMDTR-----GQKE----- 25
Db 36 EDESKCRSRECSRRVCYCDGCFYRNKKGCCTRDCCETDNNMETITPPEDKCGPDEWFDW 95
QY 26 ---QOQCESCKSOYGEKDOO 43
Db 96 CGTYKQCCERCKNKELSEKDEE 116

Search completed: March 1, 2001, 15:49:50
Job time: 395 sec

